Automatic transmission, 5 speed automatic with tiptronic

⇒ 1.8L - Engine - Motronic Multiport Fuel Injection (MFI)/125 kW, code AWM
From October 2000

⇒ 2.0L - Engine - Turbo Diesel PD Fuel Injection (DFI)/100kW, code BHW
From November 2003

⇒ 2,8L - Engine - Motronic Multiport Fuel Injection (MFI)/142 kW, code ATQ
From August 1999

Notes:
Information for
- Relay and fuse arrangements
- Connector arrangements
- Control Modules and Relays
- Ground connections

⇒ Component Locations!
Information for
- Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051/5052

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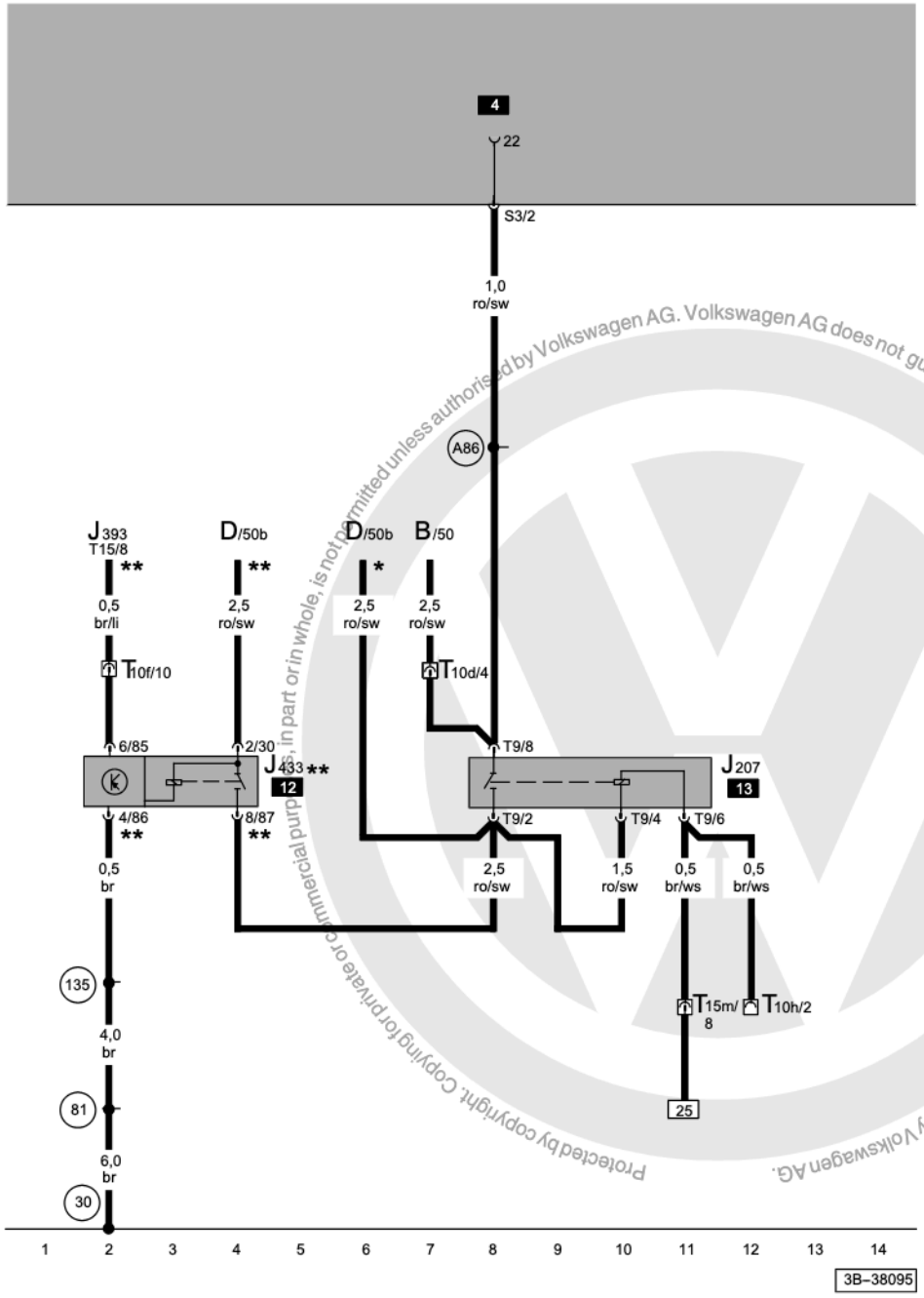

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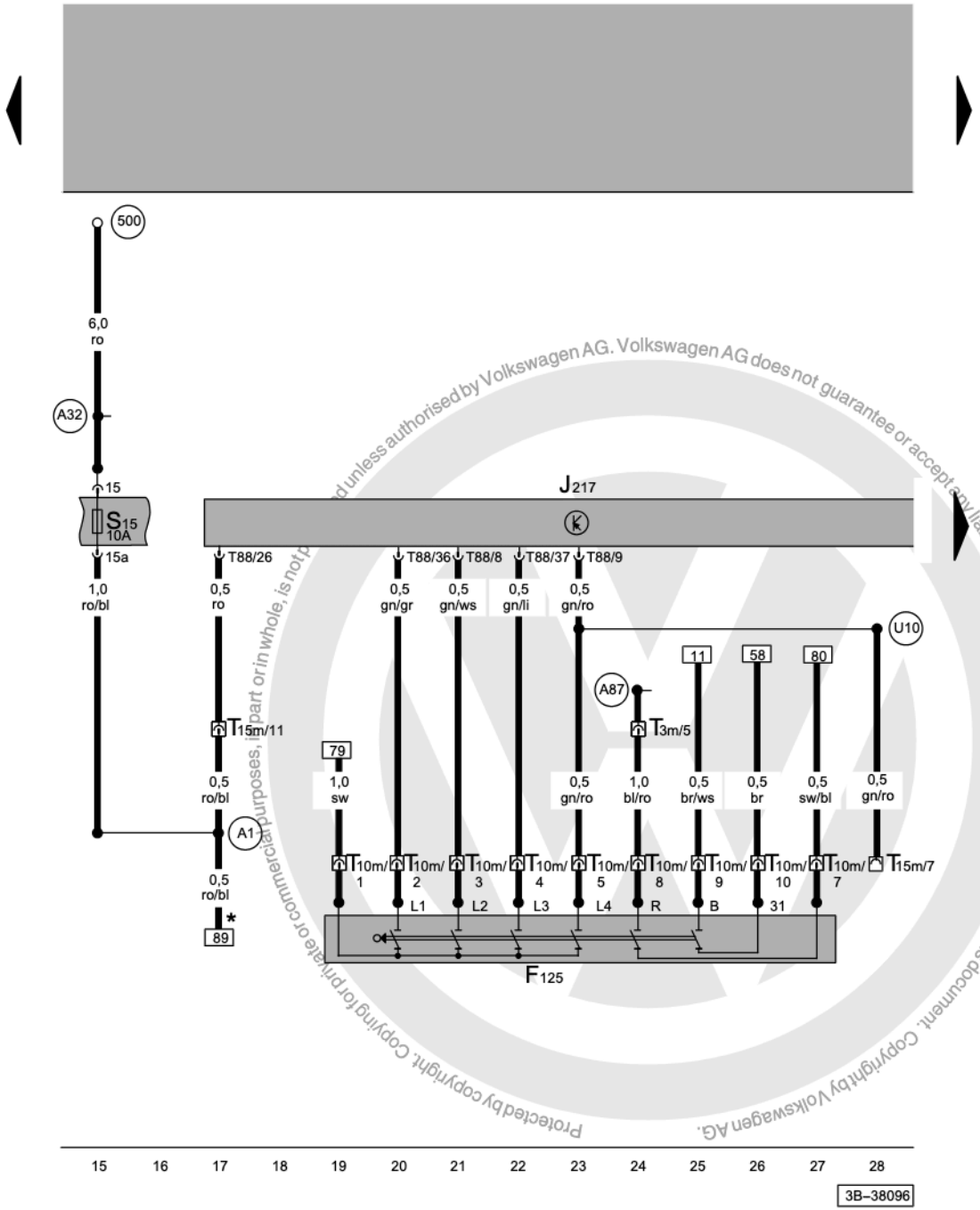
Starting Interlock Relay, Locking relay for starter (anti-theft immobilizer)

Edition12
.03

B	Starter
D	Ignition/Starter Switch
J207	Starting Interlock Relay
J393	Central control module for comfort system
J433	Locking relay for starter (anti-theft immobilizer)
T9	9-Pin Connector, on Starting Interlock Relay
T10d	10-Pin Connector, brown, on protective housing for control module, in engine compartment, left
T10f	10-Pin Connector, blue, connector station A-pillar, left
T10h	10-Pin Connector, blue, on protective housing for control module, in engine compartment, left
T15	15-Pin Connector, on Central control module for comfort system
T15m	15-Pin Connector, brown, connector station A-pillar, right
30	Ground connection, -1-, beside fuse/relay panel
81	Ground connection -1-, in instrument panel wiring harness
135	Ground connection -2-, in instrument panel wiring harness
A86	Connection (50a), in instrument panel wiring harness
*	from May 2003 where applicable
**	through April 2003 where applicable

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink



Transmission Control Module (TCM), Multi-Function Transmission Range (TR) Switch

Edition12
.03

F125	Multi-Function Transmission Range (TR) Switch
J217	Transmission Control Module (TCM), in front footwell, right
S15	Fuse
T3m	3-Pin Connector, brown, connector station A-pillar, right
T10m	10-Pin Connector
T15m	15-Pin Connector, brown, connector station A-pillar, right
T88	Connector, 88 point, on Transmission Control Module (TCM)
500	Threaded Connection -1- (30), on relay plate
A1	plus connection (30a), in instrument panel wiring harness
A32	plus connection (30), in instrument panel wiring harness
A87	Connector (reverse lamp), in instrument panel wiring harness
U10	Cruise Control Connection (in automatic transmission wiring harness)
*	through April 2003

ws	=	white
sw	=	black
ro	=	red
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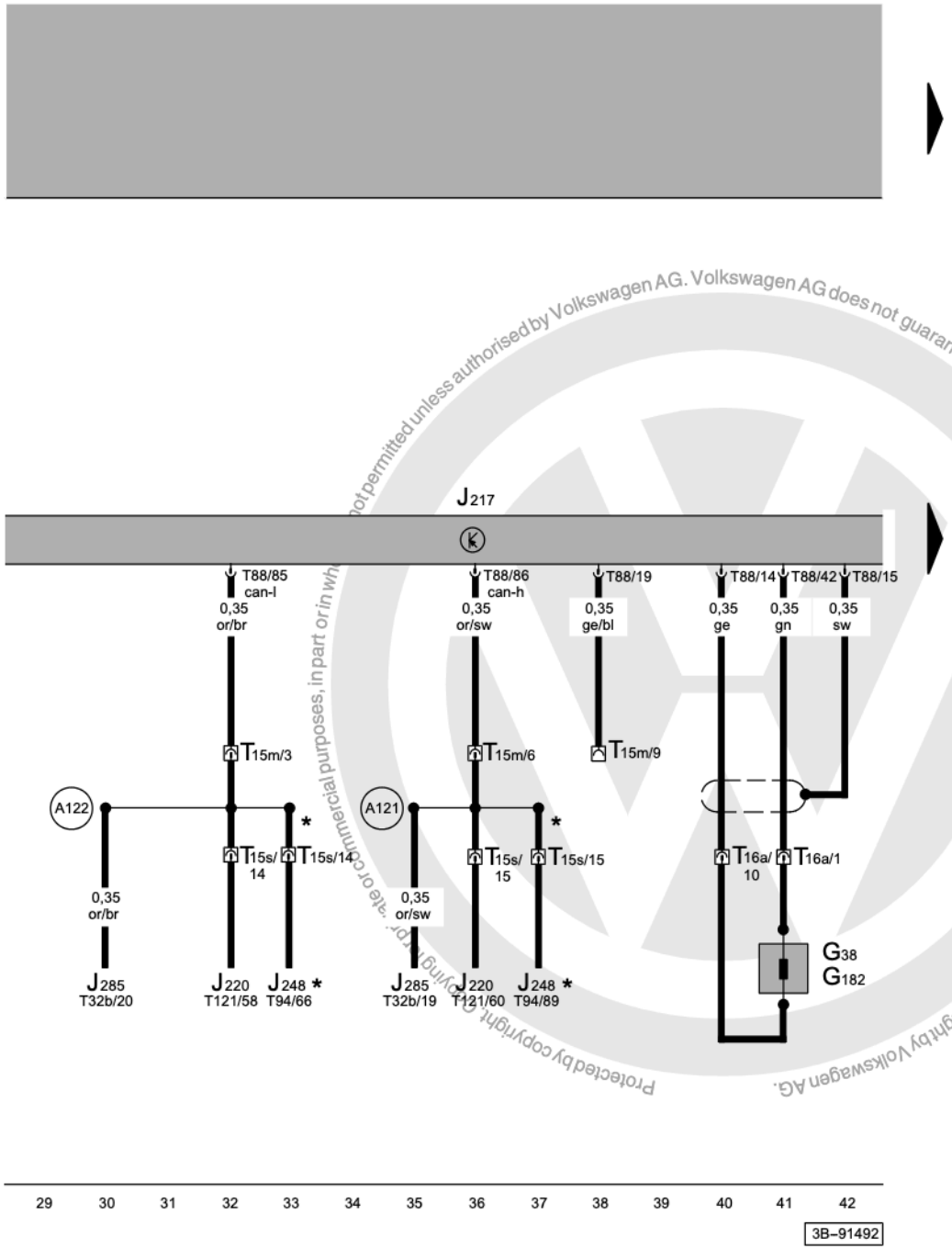

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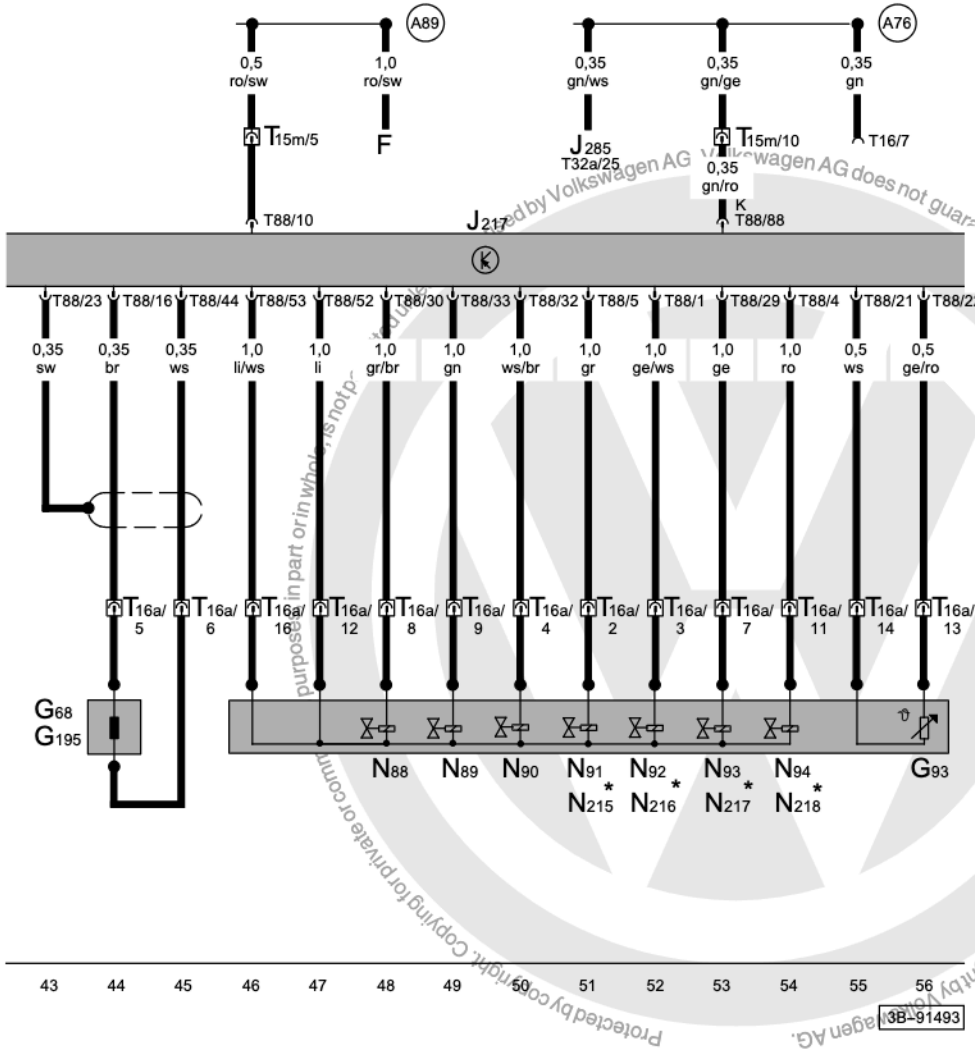
Transmission Control Module (TCM), Transmission Vehicle Speed Sensor (VSS)

Edition06
.04

G38	Transmission Vehicle Speed Sensor (VSS)
G182	Sensor for transmission RPM
J217	Transmission Control Module (TCM), in front footwell, right
J220	Motronic Engine Control Module (ECM)
J248	Diesel Direct Fuel Injection (DFI) Engine Control Module (ECM)
J285	Control module with indicator unit in instrument panel insert
T15m	15-Pin Connector, brown, connector station A-pillar, right
T15s	15-Pin Connector, red, on protective housing for control module, in engine compartment,left
T16a	16-Pin Connector, on transmission
T32b	32-Pin Connector, green, on instrument cluster
T88	Connector, 88 point, on Transmission Control Module (TCM)
T94	94-Pin connector
T121	Connector, 121 point, on Motronic Engine Control Module (ECM)
A121	Connection (high-bus), in instrument panel wiring harness
A122	Connection (low-bus), in instrument panel wiring harness
*	engine code BHW only



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Transmission Control Module (TCM), Solenoid Valves, Transmission Fluid Temperature Sensor, Vehicle Speed Sensor (VSS)

Edition06
.04

F	Brake Light Switch
G68	Vehicle Speed Sensor (VSS)
G93	Transmission Fluid Temperature Sensor
G195	Sensor for Transmission output RPM
J217	Transmission Control Module (TCM), in front footwell, right
J285	Control module with indicator unit in instrument panel insert
N88	Solenoid Valve 1
N89	Solenoid Valve 2
N90	Solenoid Valve 3
N91	Solenoid Valve 4
N92	Solenoid Valve 5
N93	Solenoid Valve 6
N94	Solenoid Valve 7
N215	Pressure Control Valve 1 for Auto. transmission
N216	Pressure Control Valve 2 for Auto. transmission
N217	Pressure Control Valve 3 for Auto. transmission
N218	Pressure Control Valve 4 for Auto. transmission
T15m	15-Pin Connector, brown, connector station A-pillar, right
T16	16-Pin Connector, black, Data Link Connector (DLC) below instrument panel, left
T16a	16-Pin Connector, on transmission
T32a	32-Pin Connector, blue, on instrument cluster
T88	Connector, 88 point, on Transmission Control Module (TCM)
A76	Connector (K-diagnosis wire), in instrument panel wiring harness
A89	Connector (54) (in instrument panel wiring harness)
*	from October 2000

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Transmission Control Module (TCM)

Edition12
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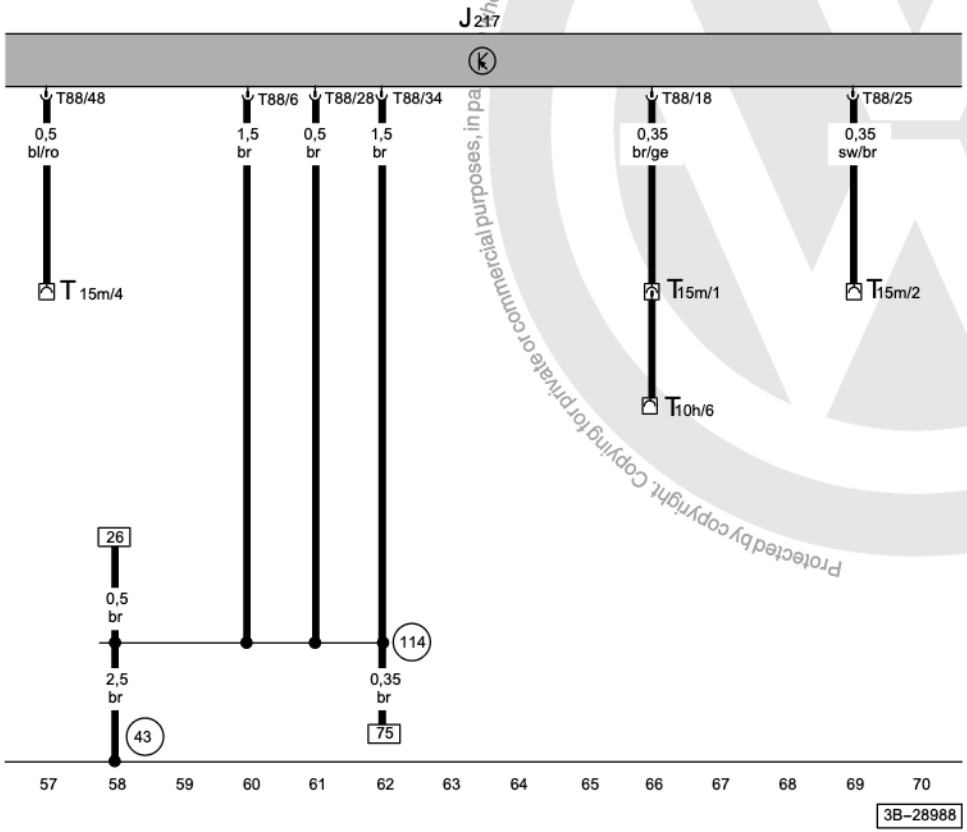
J217	Transmission Control Module (TCM), in front footwell, right
T10h	10-Pin Connector, blue, on protective housing for control module, in engine compartment, left
T15m	15-Pin Connector, brown, connector station A-pillar, right
T88	Connector, 88 point, on Transmission Control Module (TCM)
43	Ground connection, on right A-pillar, lower part
114	Ground connection, in automatic transmission wiring harness



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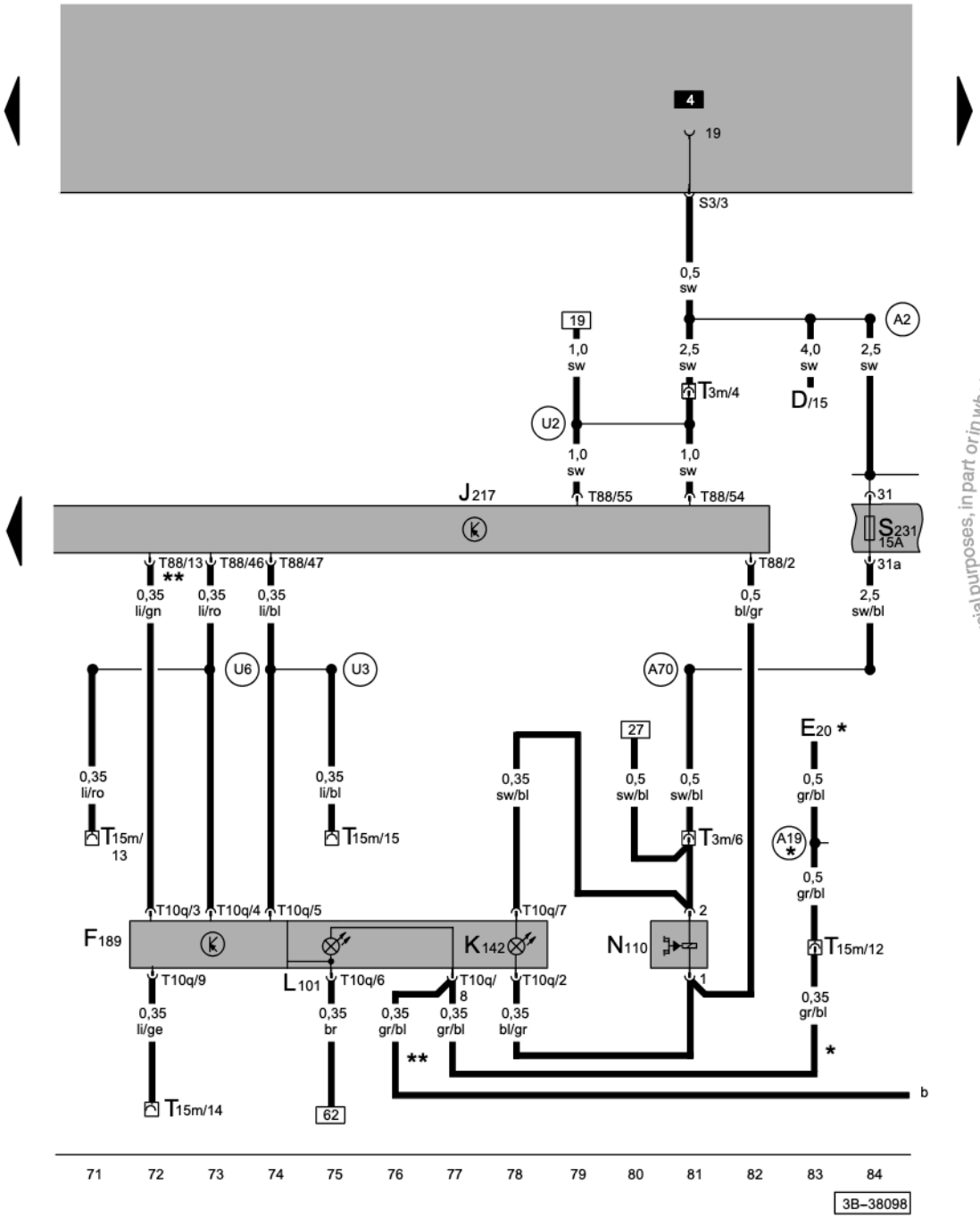

Transmission Control Module (TCM), Shift Lock Solenoid, Tiptronic Switch

Edition12
.03

D	Ignition/Starter Switch
E20	Instrument Panel Light Dimmer Switch *
F189	Tiptronic Switch
J217	Transmission Control Module (TCM), in front footwell, right
K142	Warning light for selector lever position P/N
L101	Illumination for selector lever scale
N110	Shift Lock Solenoid
S231	Fuse in fuse holder
T3m	3-Pin Connector, brown, connector station A-pillar, right
T10q	10-Pin Connector
T15m	15-Pin Connector, brown, connector station A-pillar, right
T88	Connector, 88 point, on Transmission Control Module (TCM)
A2	plus connection (15), in instrument panel wiring harness
A19	wire connection (58d), in instrument panel wiring harness *
A70	Connector (15a, fuse 231), in instrument panel wiring harness
U2	wire connection -1- (15), in automatic transmission wiring harness
U3	wire connection -1-, in automatic transmission wiring harness
U6	wire connection -2-, in automatic transmission wiring harness
*	from May 2003
**	through April 2003

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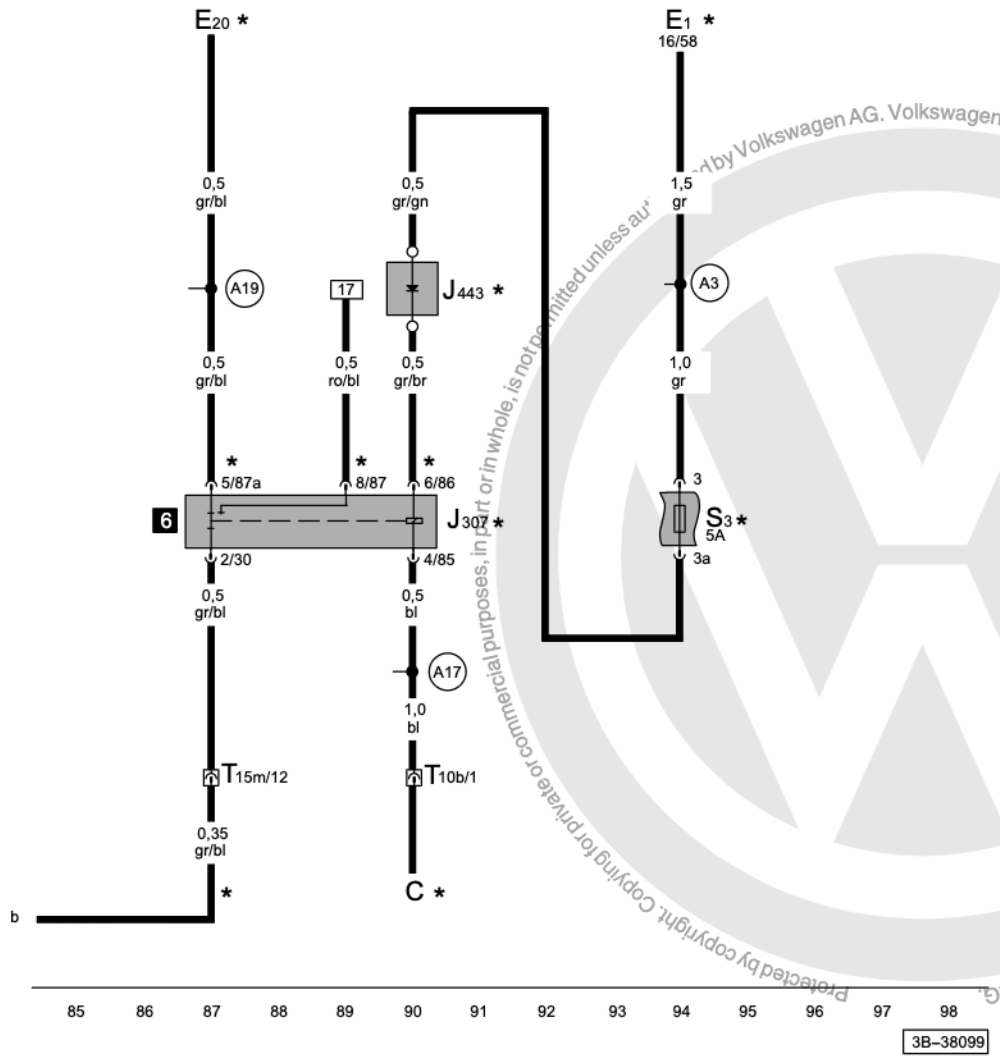
Selector Lever Light, Locking diode for selector lever illumination

Edition12
.03

C	Generator (GEN)
E1	Light switch
E20	Instrument Panel Light Dimmer Switch
J307	Selector Lever Light Relay
J443	Locking diode for selector lever illumination
S3	Fuse
T10b	10-Pin Connector, black, on protective housing for control module, in engine compartment,left
T15m	15-Pin Connector, brown, connector station A-pillar, right
A3	plus connection (58), in instrument panel wiring harness
A17	wire connection (61), in instrument panel wiring harness
A19	wire connection (58d), in instrument panel wiring harness
*	through April 2003



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